PTO/SB/05 (05-03) Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Attorney Docket No. UTILITY PATENT APPLICATION First Inventor TRANSMITTAL Title (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. Commissioner for Patents Mail Stop Patent Application **APPLICATION ELEMENTS** ADDRESS TO: See MPEP chapter 600 concerning utility patent application contents. P.O. Box 1450 Alexandria VA 22313-1450 1. 🗶 Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) 2. 🔀 Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) 3. 🗷 Total Pages Specification Computer Reader Form (CRF) (preferred arrangement set forth below) - Descriptive title of the invention Specification Sequence Listing on: Cross Reference to Related Applications Statement Regarding Fed sponsored R & D CD-ROM or CD-R (2 copies); or Reference to sequence listing, a table, or a computer program listing appendix Background of the Invention Paper - Brief Summary of the Invention - Brief Description of the Drawings (if filed) Statements verifying identity of above copies - Detailed Description **ACCOMPANYING APPLICATION PARTS** · Claim(s) - Abstract of the Disclosure Assignment Papers (cover sheet & document(s)) 4. Drawing(s) (35 U.S.C. 113) [Total Sheets 10. F 37 CFR 3.73(b) Statement Power of (when there is an assignee) **Attorney** 5. Oath or Declaration [Total Sheets English Translation Document (if applicable) 11. a. Newly executed (original or copy) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1499 Citations Copy from a prior application (37 CFR 1.63(d)) 13. **Preliminary Amendment** (for continuation/divisional with Box 18 completed) Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
Certified Copy of Priority Document(s) i. DELETION OF INVENTOR(S) 15 Signed statement attached deleting inventor(s) (if foreign priority is claimed) name in the prior application, see 37 CFR 16. 📖 Nonpublication Request under 35 U.S.C. 122 1.63(d)(2) and 1.33(b). (b)(2)(B)(i). Applicant must attach form PTO/SB/35 Application Data Sheet. See 37 CFR 1.76 or its equivalent. 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation ☐ Divisional Continuation-in-part (CIP) of prior application No.: ..... Prior application information: Examiner Art Unit: For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label Correspondence address below OR (Insert Customer No. or Attach bar code label here) Name 70R1)0N MISSIDN Address City State Zip Code Country Telephone Fax 280-185 19-280-180 Name (Print/Type) Registration No. (Attorney/Agent) Signature Date

This collection of information is required by 37 CFR 1.33(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is giverned by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patenta, P. Box 1450, Alexandria, VA 22313-1450.

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## FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL A	THUOMA	OF PAYMENT
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SUBMITTED BY

Name (PrintType)
Signature

(\$)

Compl te if Known				
Application Number				
Filing Date				
First Named Inventor				
Examiner Name				
Art Unit				
Attornou Doctol No				

METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued)					
Check Credit card Money Other None			3. ADDITIONAL FEES					
Deposit Account:			Large Entity   Small Entity					
Deposit Cectorit.			Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	
Account Number		Code 1051	130	2051	٠.	Surcharge - late filing fee or oath	Fee Falu	
Deposit		1052	50	2052	25	Surcharge - late provisional filing fee or		
Account Name			130	1053	120	cover sheet Non-English specification		
The Commissioner is authorized to: (check all that apply)		1053 1812				For filing a request for ex parte reexamination		
Charge fee(s) indicated below Credit any overpayments			920*	1804		Requesting publication of SIR prior to		
Charge any additional fee(s) during the pendency of this application						Examiner action	<del>  </del>	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.			1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
FEE CALCULATION			110	2251	55	Extension for reply within first month	i i	
1. BASIC FILING FEE	_	1252	410	2252	205	Extension for reply within second month		
Large Entity Small Entity		1253	930	2253	465	Extension for reply within third month	<b> </b>	
Fee Fee Fee Fee Pee Description Fee Pa	10	1254	1.450	2254	725	Extension for reply within fourth month	<b>  </b>	
1001 750 2001 375 Utility filing fee 375	-1	1255	1,970	2255	985	Extension for reply within fifth month	<b> </b>	
1002 330 2002 165 Design filing fee	-	1401	320	2401	160	Notice of Appeal	<b></b>	
1003 520 2003 260 Plant filing fee	-11	1402	320	2402	160	Filing a brief in support of an appeal		
1004 750 2004 375 Reissue filing fee	<b>]</b>	1403	280	2403	140	Request for oral hearing		
1005 160 2005 80 Provisional filing fee	$\exists 1$	1451	1,510	1451	1,510	Petition to institute a public use proceeding		
SUBTOTAL (1) (\$)		1452	110	2452	55	Petition to revive - unavoidable		
2. EXTRA CLAIM FEES FOR UTILITY AND REISS	;;;	1453	1,300	2453	650	Petition to revive - unintentional		
Fee from		1501 1502		2501		Utility issue fee (or reissue)		
Total Claims -20** = X = Independent -3** = X			470	2502		Design issue fee		
			630	2503		Plant issue fee	<b></b>	
Claims	71	1460 1807	130	1460		Petitions to the Commissioner		
			50	180		Processing fee under 37 CFR 1.17(q)	<b></b>	
Large Entity   Small Entity Fee Fee Fee Fee Description	ł	1806	180	180		Submission of Information Disclosure Strnt	<b></b>	
Code (\$) Code (\$)  1202 18 2202 9 Claims in excess of 20	1	8021	40	802	1 40	Recording each patent assignment per property (times number of properties)		
1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent daims in excess of	,	1809	750	280	9 375	Filing a submission after final rejection (37 CFR 1.129(a))		
1203 280 2203 140 Multiple dependent daim, if not p	aid	1810	750	281	0 375	For each additional invention to be		
1204 84 2204 42 "Reissue independent claims over original patent		1801	750	2801	379	examined (37 CFR 1.129(b))  Request for Continued Examination (RCE)		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent		1802	900	1802				
			Other fee (specify)					
SUBTOTAL (2) (\$) Tor number previously paid, if greater; For Reissues, see above				• • •	Filing F	ee Paid SUBTOTAL (3) (\$)		
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(Complete (if applicable)